Cockpits

Front Cockpit

AFT Cockpit

The New IAR-99 'SOIM'

Elbit Systems Ltd.

*An acknowledged leader in Training and Simulation, **Elbit Systems** builds on close to four decades of experience to offer a comprehensive line of air, ground and naval training and simulation solutions. These solutions range from mission preparation and execution, to post-mission debriefing and analysis. Blending combat experience with advanced simulation techniques and performance capabilities, the Company has designed, developed and delivered operational and tactical, virtual and embedded Trainers and Simulators to leading military forces worldwide – all of them designed to maximize realism and minimize the often difficult transition to advanced, complex platforms and missions. In addition to numerous trainer and aircraft upgrades now underway, **Elbit Systems** is engaged in Private Finance Initiatives (PFI) training programs for the Israel Air Force.*

Avioane Craiova SA

*Established in 1974, **Avioane SA** is renowned for its expertise in aircraft manufacture. The company has an excellent track record of programs in manufacturing, design, research, upgrading and overhaul activities. **Avioane SA's** highly diversified skills have also been applied to aircraft equipment and systems, designing and manufacturing in collaboration with Romania's most prestigious hi-tech enterprises and institutes. Avioane's IAR-99 was first flight-tested in 1984. The aircraft was designed, manufactured and certified in Avioane's flight test facilities.*

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The New IAR-99 'SOIM'

An Advanced Lead-In-Trainer

AVIOANE CRAIOVA SA

ELBIT SYSTEMS

When it comes to training pilots for advanced fighter aircraft, the new generation IAR-99 'SOIM' Lead-In-Trainer is the obvious choice. Completely modernized and compatible with contemporary fighter aircraft, the latest IAR-99 'SOIM' features performance-proven state-of-the-art avionics that support training for all tactical scenarios as well as the ability to execute Close Air Support missions. With its fighter-like cockpit and sophisticated training tools, the IAR-99 'SOIM' answers the growing need for trainers to keep pace with advanced fighters and ease the often difficult transition from training to reality.

Enhanced training through advanced technologies

From airframe and engine through safety and systems, the IAR-99 'SOIM' is tailored to meet today's training demands:

- Excellent aerodynamic characteristics, emphasizing stability, safety and ease of flight
- Tandem configuration with special attention to instructor and trainee's field of view
- Advanced fighter-like cockpit configuration
- New generation sensors and avionics

Equipped with Elbit Systems' state-of the-art training suite, the IAR-99 'SOIM' incorporates new systems and features to make training more effective than ever before:

- Advanced Combat Training System (ACTS) supporting virtual radar, virtual missiles, virtual RWR, virtual chaff & flares and featuring a real-time ground-based instructor station
- DASH technologies for in-flight cueing
- Multi-source debriefing systems
- Embedded simulation in on-board systems
- Complete avionics redundancy
- "Pad-less" - enabling the instructor to record remarks throughout the flight

Added operational value at an affordable cost

The new IAR-99 'SOIM' shifts easily from training to light-attack roles. Driven by *Elbit Systems* state-of-the-art avionics, the aircraft is effective in a broad range of today's tactical scenarios.

- Complete Close Air Support performances
- Wide array of Eastern & Western ordnance
- General purpose munitions
- Laser and IR guided munitions
- Laser and other mission pods
- EW suite including chaff & flare dispensers

HI-HI-HI MISSION
1 Gun Cal 23mm (200 Rounds) . 250kgf
4x250 kgf Bombs 1,000kgf
Internal Fuel 1,100kgf
Max T-O Weight (1 Pilot) 5,480kgf

Basic Performance Data

V max sea level (H=0)	467 kts
Climb rate	115 ft/s
Endurance	2 hr. 40 min
T.O.Distance	450 meters
Landing Distance	550 meters
Service Ceiling	42,322 ft
Empty Weight	7,055 lbs
T.O. Weight	12,258 lbs
Load	+7g / - 3.6g